

MEDB 1.14 Photodocumentation of Skin

3.2 Medical Requirements Overview

TABLE 3.2: MEDICAL REQUIREMENTS OVERVIEW

MEDB# and Title:	MEDB 1.14 Photodocumentation of Skin
Sponsor:	Medical Operations
Discipline:	Immunology/Infectious Disease
Category:	Medical Requirements
References:	SSP 50667 Medical Evaluations Document (MED) Volume B
Purpose/Objectives:	To provide visual images to support diagnosis and documentation of cutaneous injuries and allergic responses. Photographs of affected areas will be taken at appropriate intervals to document the site of injury. Flight surgeons may use the images to evaluate the extent and nature of the injury and to monitor follow-up treatment. The photographic image will provide critical information on rates of healing for cuts and rashes, analysis of event incidence, and support assessment of crewmember health risks.
Measurement Parameters:	Visual images of affected areas.
Deliverables:	Images that may be used to evaluate an injury or reaction and to monitor follow-up treatment. Analysis of rates of healing for cuts and rashes. Analysis of event incidence
Flight Duration:	≥ 30 days
Number of Flights:	All
Number and Type of Crew Members Required:	All Crewmembers
Other Flight Characteristics:	N/A

3.3 Preflight Training

TABLE 3.3: PREFLIGHT TRAINING

Preflight Training Activity Description: Schedule:	Training on the use of the digital camera will be performed by MOD as part of routine systems training.			
	Duration:	Schedule:	Flexibility:	Personnel Required:
	N/A	N/A	N/A	N/A
Ground Support Requirements Hardware/Software	Preflight Hardware:	Preflight Software:	Test Location:	
	N/A	N/A	N/A	
Training Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:	Temperature Requirements:	Special Lighting:
	N/A	N/A	N/A	N/A
	Hot or Cold Running Water:	Privacy Requirements:	Other:	
	N/A	N/A	N/A	
Constraints/Special Requirements:	N/A			
Launch Delay Requirements:	N/A			
Notes:	N/A			

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3.4 Preflight Activities: N/A

3.5 In-Flight Activities

TABLE 3.5.1: IN-FLIGHT ACTIVITIES

In-Flight Activity	Description:	This task is event based. Crewmember should report any minor/major infections/allergies/hypersensitivities/injuries during private medical conference (PMCs). The report should include an accurate time when the injury occurred or when the first onset of illness happened. Using the on-board digital camera, the area(s) of concern should be photographed to provide documentation of the illness/injury. A small ruler should be positioned within the field of view to provide scale. Photographs should be taken at 24 hour intervals until resolution of the event or as determined by ground medical personnel. Images and a report of circumstances should be downlinked to ground medical personnel for intervention and action.				
	Schedule:	Activity:	Duration:	Schedule:	Flexibility:	Personnel Required:
		Photodocumentation of skin injury, allergic reactions	As required	As clinically indicated	N/A	Operator and Subject
Procedures:		These procedures are part of the Systems Operations Data File (SODF).				
Constraints / Special Requirements:		This task is event based or at the discretion of the Flight Surgeon.				
Photo / TV Requirements:		Digital photographs of affected areas.				
		This task is event based. Photographs should be taken at 24 hour intervals until resolution of the event or as determined by ground medical personnel. Images and a report of circumstances are downlinked to ground medical personnel for intervention and action. Downlinked images are archived within the Mission Extended Medical Enterprise (MEME) environment.				

TABLE 3.5.2: IN-FLIGHT HARDWARE

Hardware/Software Name
Digital Camera
Ruler

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3.6 Postflight Activities

TABLE 3.6: POSTFLIGHT ACTIVITIES

Postflight Activity	Description:	Postflight assessment using a digital camera and ruler.			
	Schedule:	Duration:	Schedule:	Flexibility:	Personnel Required:
		N/A	R+0/1, and as clinically indicated	N/A	N/A
Ground Support Requirements Hardware/Software	Postflight Hardware:	Postflight Software:		Test Location:	
	Digital camera	N/A		N/A	
Testing Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:		Temperature Requirements:	Special Lighting:
	N/A	N/A		N/A	N/A
	Hot or Cold Running Water:	Privacy Requirements:		Vibration/Acoustic Isolation:	Other:
	N/A	N/A		N/A	N/A
Constraints/Special Requirements:		N/A			
Notes:		N/A			
Data Delivery		Photographs are archived within the Mission Extended Medical Enterprise (MEME) environment.			

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3.7 Summary Schedule

TABLE 3.7: SUMMARY SCHEDULE

ACTIVITY	DURATION	SCHEDULE	FLEXIBILITY	PERSONNEL REQUIRED	CONSTRAINTS
Preflight Training: N/A					
Preflight: N/A					
In-Flight					
Photodocumentation of skin injury , allergic reactions	As required	As clinically indicated	N/A	Operator and Subject	This task is event based or at the discretion of the Flight Surgeon. Photographs will be downlinked as soon as possible
Postflight					
Photodocumentation of skin	As required	R+0/1, & as clinically indicated	N/A	Operator and Subject	None